

Notice of Allowability

Application No.

10/826,442

Examiner

Chuc D. Tran

Applicant(s)

MELCONIAN ET AL.

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/15/04.
2. ☒ The allowed claim(s) is/are 1-30.
3. ☒ The drawings filed on 15 April 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
- ☐ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other _____

Don Wong
Supervisory Patent Examiner
Technology Center 2800

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-30 are allowed.
2. The following is an examiner's statement of reasons for allowance:
3. Regarding claims 1-2 and 21-22, the references of the prior art of record fails or suggest the combination of the limitations as set forth in the claims: a plurality of feed horns arranged in an arc around a cylinder reflector directed inwardly toward the cylinder, and specifically comprising a plurality of log periodic antenna arranged in an arc, wherein the arc being substantially coaxial with the reflector.
4. Regarding claims 3-10 and 23-30 are allowable for the reasons given above because of their dependency status from the claims 1-2 and 21-22.
5. Regarding claims 11 and 12, the references of the prior art of record fails or suggest the combination of the limitations as set forth in the claims: a plurality of feed horns arranged in an arc around a flared cylinder reflector directed inwardly toward the flared cylinder, and specifically comprising a plurality of log periodic antenna arranged in an arc, wherein the arc being substantially coaxial with the reflector.
6. Regarding claims 13-20 are allowable for the reasons given above because of their dependency status from the claims 11 and 12.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation of relevant Prior Art

Prior art Butcher (USP. 4,825,222) disclose omnidirectional antenna.

Prior art Yu (USP. 5,389,941) disclose data link antenna system.

Prior art Shea et al (USP. 6,329,957) disclose method and apparatus for transmitting and receiving multiple frequency bands.

Prior art Anderson (US 20040227682) disclose reconfigurable scanner and RFID system.

Prior art Maruyama et al (USP. 6,127,987) disclose antenna and manufacturing method therefor.

Prior art Teshirogi et al (USP. 6,317,095) disclose planar antenna and method manufacturing the same.

Prior art D.F.Bowman (USP. 3,226,658) disclose plural independent channel concentric rotary coupler.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuc D. Tran whose telephone number is (571) 272-1829. The examiner can normally be reached on M-F Flex hours.

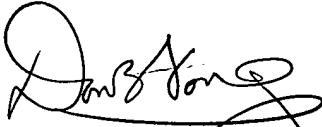
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TC

June 10, 2005



Don Wong
Supervisory Patent Examiner
Technology Center 2800